

Name: _____

p1105: Factoring when $a = \text{prime}$ (v12)

1. Factor the expression $3x^2 - 8x - 35$

$$(3x + 7)(x - 5)$$

2. Factor the expression $2x^2 + 5x - 63$

$$(2x - 9)(x + 7)$$

3. Factor the expression $3x^2 - 34x + 63$

$$(3x - 7)(x - 9)$$

4. Factor the expression $5x^2 + 16x - 16$

$$(5x - 4)(x + 4)$$

5. Factor the expression $11x^2 - 84x + 49$

$$(11x - 7)(x - 7)$$

6. Factor the expression $11x^2 - 69x - 56$

$$(11x + 8)(x - 7)$$

7. Factor the expression $5x^2 - 47x + 56$

$$(5x - 7)(x - 8)$$

8. Factor the expression $11x^2 + 53x - 10$

$$(11x - 2)(x + 5)$$

9. Factor the expression $11x^2 + 38x + 15$

$$(11x + 5)(x + 3)$$

10. Factor the expression $5x^2 - 7x + 2$

$$(5x - 2)(x - 1)$$